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**DATE: August 11, 2020**

**TO: Subcontractors and Suppliers**

**RE: Camp Atterbury IFB No. MDI-CAIN-20-B-0005 Bridge 27 Replacement**

**BID DATE: Friday, August 28, 2020**

Our firm has purchased plans to bid this contract as a prime contractor. We are inviting quotations from contractor/supplier firms that might be interested in working with us on this project.

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Statement of Work is attached for your use.

Plans have been added to our *ftp site* for your viewing and consideration. You can find a link to our *ftp site* by visiting our website, <http://daveomara.com>. From there, click on "projects", "all bidding projects", "2020 projects,..."

Quotations should be submitted **on or before 12pm, noon, on Thursday, August 27, 2020.**

Please email your quote to our estimating department: [tammym@daveomara.com](mailto:tammym@daveomara.com) AND/OR you may fax your proposal to 812.346.6305.

If you require additional information, please contact our Estimating Department at 812.346.4135.

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Please complete, sign, date and return via fax to (812) 352-1235 or via email to [tamukah@davaomara.com](mailto:tamukah@davaomara.com).

BUSINESS NAME: \_\_\_\_\_

CONTACT PERSON: \_\_\_\_\_ DATE: \_\_\_\_\_

**ARE YOU QUOTING?:**    **Yes**    **or**    **No**                      **If so, will you be using UNION labor?**    **Yes**    **or**    **No**

Our Company is a certified:    DBE / WBE / MBE / VBE / OTHER subcontractor/supplier.

Please indicate type of certification (or if none, please mark N/A): \_\_\_\_\_

**PLEASE BE SURE THAT OUR OFFICE HAS A COPY OF YOUR CURRENT CERTIFICATE ON FILE.    THANK YOU!**

**STATEMENT OF WORK  
FOR  
BRIDGE 27 REPLACEMENT &  
FLUVIAL EROSION HAZARD (FEH) MITIGATION  
CAJMTC DPW Project # 2018033-A  
July 21, 2020**

1. **Facility Function/Project Description:** The intent of this project is to increase the inspection condition ratings to an 8 (very good) condition or better in all categories as defined in the ISR (Installation Status Report) inspection checklist and to increase safety, increase loading capacity, and increase clear roadway width to meet current and expected future requirements of Bridge 27 over Catherine Creek on Hickam Road at Camp Atterbury Joint Maneuver Training Center (CAJMTC). In addition, a Fluvial Erosion Hazard (FEH) mitigation near the structure is proposed to stop future soil movement as part of the bridge replacement project. Based on a 2012 bridge inspection, the existing structure was rated in a range of 4 (poor condition) to 6 (satisfactory condition) in all categories. Consequently, the safe loading capacity of the bridge was reduced from 21 tons to 12 tons, which limits the types of vehicles allowed to safely cross over the structure. Therefore, the existing bridge capacity and travel way width is not expected to meet current and future requirements for CAJMTC. The existing structure is a wooden bridge originally built approximately 70 years ago. A replacement of the existing structure proposed with a precast three-sided concrete structure that is aligned with the flow path of the stream & provides adequate conveyance of a design storm, which will raise all inspection conditions to 8 or better.
2. **Project Overview:** This project will be completed as described in this Statement of Work (SOW) & the Project Manual, Plans, & Specifications provided by the owner's A&E (Architect & Engineer) Firm, RQAW, dated June 30, 2020. Generally, Indiana Department of Transportation (INDOT) Standard Specifications may be followed, unless otherwise stated. The CONTRACTOR shall provide all materials, tools, equipment, labor, professional services, and supervision required to complete the following work:
  - a. **The Base Bid shall include the following:**
    - i. A replacement of the existing bridge with a precast three-sided concrete structure that is aligned with the flow path of the stream & provides adequate conveyance of a design storm. The structure span will be 24 feet and it will have a length of 48 feet. This orientation will provide a waterway opening of approximately 93.84 square feet and allows for two travel lanes over the bridge. The bridge orientation will allow for a more natural stream flow which minimizes bank erosion, resulting in less continual riprap maintenance and channel protection work. The structural design of the precast three-sided concrete structure shall be certified by a Professional Engineer licensed in Indiana, in general accordance in the plans & specifications provided by RQAW.
    - ii. Fluvial Erosion Hazard (FEH) Mitigation where the existing stream is encroaching on the road for approximately 108 linear feet. The proposed gabion baskets & counterforts to mitigate the FEH shall be placed in such a way to avoid blocking the culvert outlet at approximately (~) sta. 15+81.
    - iii. Temporary relocation of existing utilities during construction & permanent relocation at the end of construction. Utility certification is enclosed herein. An existing fiber line(s) is in the project area owned by Camp Atterbury's Information Management Office

- (IMO) is in the project area & will require coordination with Camp Atterbury's IMO. Utility relocation is discussed in more detail below.
- iv. All required permits have been completed. However, the CONTRACTOR will assume responsibility for all permits, including IDEM 401 & USACE 404 permits, prior to construction. A Rule 5 permit is not anticipated, but should be verified by the CONTRACTOR.
  - v. Provide suitable Best Management Practices for Storm Water Pollution Prevention in accordance with state and local requirements. This includes proper erosion control measures, including; silt fence and inlet protection will be installed on site during construction to minimize or eliminate sediment discharge from the site. The site will be stabilized with permanent control measures such as seeding and landscape vegetation to ensure post-construction sediment collection as well.
  - vi. Traffic control during construction will be provided by Camp Atterbury via a detour.
- b. **Add/Alternate Bid Options:** There are two proposed alternate bid options. In addition, valued engineered options may be considered following award.
- i. **Add/Alternate Bid Option 1:** Replacement of an existing plugged culvert at approximately sta. 15+81.
  - ii. **Add/Alternate Bid Option 2:** In lieu of a temporary relocation of the fiber lines during construction, a horizontal bore across the stream to a sufficient depth to avoid construction excavation may be considered.
- c. **Unit Price Items:** Refer to the last page of the Project Manual for Unit Prices to be provided.
- d. **Utility Relocation:** There are two existing fiber lines with one on both the north & south sides of the road. These lines require temporary relocation to facilitate construction & then permanent relocation as part final construction. The south line runs through the toe of a landslide on the south side of the road. Therefore, to avoid future conflict with mitigating the landslide, a trench will be excavated across the road on each end & bring the south fiber to the north side. Then, both the north & south lines will be placed in a new trench located on the north side & attach to the bridge as previously. This work shall be coordinated with Camp Atterbury's Information Management Office (IMO) & shall generally consist of the following:
- i. **For the temporary relocation during construction:**
    - 1. Hand holes shall be placed on both sides outside of the construction limits. There's an existing hand hole at approximately (~) sta. 22+36 that may be used. A new hand hole at ~sta. 15+62 is proposed on the opposite side. New hand holes shall be a tier 15 rated with dimensions of at least 30" long, 48" wide, & 24" deep to allow for service loop & pea gravel.
    - 2. Trenches shall be excavated across the road to bring the south line to the north hand holes. Lines lying under the road shall be at least 48 inches deep & be placed in conduit. The fiber lines shall be cut as to provide 100 linear feet (LF) of additional line in the hand holes. Then a section of fiber shall be added to use as a service loop. The new temporary service loop shall run from hand hole to hand hole.
    - 3. The added section of fiber shall be of sufficient length for it to be placed outside the construction limits of the project to mitigate additional service outages during construction.

ii. ***For the permanent relocation at completion of construction:***

1. Following bridge construction & FEH mitigation, the CONTRACTOR shall place a conduit from each hand hole and secure the fiber alongside the bridge inside a new 2" conduit with pull rope inside. The conduit shall be at least 36" below ground surface (48" if below the roads surface). The conduit crossing the bridge will be placed at a height equivalent the bridged decking to avoid interfering with free flow of water. At least one foot of conduit will be exposed in the hand holes.
2. Once the conduit has been fully installed, the fiber shall be pulled pull through the conduit, ensuring 100' of fiber is coiled up in each hand hole.
3. Fiber shall be fusion spliced together with proper waterproof fiber enclosure to mitigate damage from groundwater. Lines will be checked for proper functioning with documentation. Camp Atterbury's IMO shall check the system before and after to validate work.
4. Hand holes will be marked with orange warning signs.

3. **Contract Provisions and General Requirements:**

- a. **Submittals:** The CONTRACTOR shall furnish all submittals and submit to COR. Technical specifications supplement shall be provided in electronic (one (1) copy). O & M manuals will also be provided (one (1) hard copy and one (1) electronic copy).
- b. **As-Builts:** As-built drawings will be submitted as part of the final close-out documents in electronic (AutoCAD.dwg and .PDF) format. Any underground structures (i.e. relocated fiber lines) shall be surveyed by a Professional Land Surveyor licensed in Indiana.
- c. **Scheduling:** The CONTRACTOR will be required to coordinate scheduling of work to be performed with DPW and end user. If unforeseen Camp Atterbury scheduling conflicts prevent CONTRACTOR from any work, this time shall not count against the CONTRACTOR's period of performance.
- d. **Warranty:** The CONTRACTOR shall guarantee the material and workmanship for a minimum of one (1) year following the date of substantial completion. (Substantial completion is defined as completed to a point where the OWNER is able to beneficially occupy the site.) Equipment warranties are limited to original OEM warranties.
- e. **Verification of Data:** The CONTRACTOR is responsible for all dimensions and shall field verify all data provided. CONTRACTOR must advise the Contracting Officer of any discrepancies prior to proceeding with any phase of the work. Where exact locations are not given for the positioning of equipment and devices, they shall be positioned to permit easy access for maintenance and for removal and replacement of component parts. The GOVERNMENT must approve all the final locations.
- f. **Attachments:** Work will be predicated upon government furnished information, provided to the CONTRACTOR for construction purposes. The CONTRACTOR shall receive requisite information from the OWNER (a.k.a. GOVERNMENT, Camp Atterbury-Muscatatuck, DPW, PROJECT MANAGER, COR) consisting of:
  - 1) Project Manual provided by RQAW dated June 30, 2020.
  - 2) Project Plans provided by RQAW dated June 30, 2020.
  - 3) Geotechnical Engineer Investigation by ATC dated
  - 4) Utility Certification by RQAW dated June 12, 2020.

- 5) IDEM 401 Permit
- 6) USACE 404 Permit
- 7) This Statement of Work (SOW), with two Appendices:
  - a) APPENDIX A: Recycle/Solid Waste Policy (2 pages)
  - b) APPENDIX B: Environmental/Cultural Issues (3 pages)
- g. Specifications: All work shall be in accordance with (IAW) the most current edition in effect at the time of the notice to proceed. The CONTRACTOR shall abide by all applicable codes and standards including but not limited to:
  - 1) The International Building Code (IBC)
  - 2) Indiana Building Code (INBC)
  - 3) National Electrical Code (NEC)
  - 4) National Fire Protection Agency requirements (NFPA)
  - 5) American Society of Heating, Refrigerating, Air Conditioning Engineers (ASHRAE)
  - 6) American National Standards Institute (ANSI)
  - 7) Metal Building Manufacturers Association (MBMA)
  - 8) American Concrete Institute (ACI)
  - 9) American Water Works Association (AWWA)
  - 10) Indiana Department of Environmental Management (IDEM)
  - 11) National Environmental Policy Act (NEPA)
  - 12) National Resources Conservation Services (NRCS)
- h. Permits: The CONTRACTOR shall be responsible for all permits, forms, and fees applicable to this construction project and verifying that all permits are obtained from the respective Government agencies prior to starting construction.
- i. Progress Meetings: There shall be an informal progress meeting held every two weeks unless agreed upon otherwise. These face-to-face meetings will consist of discussion of the progress made since the last meeting, the goals to be achieved by the next meeting, and a discussion of any questions either side may have regarding the project.
- j. Superintendence: At all times during performance of this contract, and until the work is completed and accepted, the CONTRACTOR shall directly superintend the work and have on the work site a competent superintendent who has authority to act for the CONTRACTOR.
- k. Critical Path Method/Construction Schedule: CONTRACTOR is required to create, perform, and maintain a Critical Path Method (CPM) to be submitted at the pre-construction meeting. The critical path shall demonstrate the activities that could potentially delay the project's completion, if not performed sequentially. This initial schedule may NOT exceed CONTRACT limit of number days stated within the signed CONTRACT. An updated hardcopy and an electronic PDF copy shall be submitted at EACH Progress Meeting if a change in the schedule is necessary. The submitted CPM shall include critical path and float (lead) time. During CONSTRUCTION, float time is under the ownership of the first party that claims based on each identified tasks. Identified tasks shall mirror this manual.
- l. Pre-Proposal/Pre-Bid Conference: The GOVERNMENT assumes no responsibility for any conclusions or interpretations made by the CONTRACTOR based on the information

made available by the GOVERNMENT. Nor does GOVERNMENT assume responsibility for any understanding reached or representation made concerning conditions which can affect the work by any of its officers or agents before the execution of this contract, unless that understanding or representation is expressly stated in this contract. The solicitation and specifications shall remain unchanged regardless of what is said at the pre-proposal conference unless they are changed by a formal amendment to the solicitation.

**Points of Contact:**

IN ARNG Tech Rep/COR:	MAJ John D. Spears	(812) 526-1499 ext. 62778
IN ARNG OWNER:	MAJ John C. Johanningsmeier	(812) 526-1443

The CONTRACTOR shall coordinate all project requirements, efforts, schedule, & modifications through the Technical Representative & Contracting Officer's Representative (COR) listed above. If the CONTRACTOR is contacted by any other person representing the Indiana Army National Guard, the CONTRACTOR shall cease all communication with that individual & forward all communication attempts to the above contacts. In no case is the CONTRACTOR authorized to coordinate construction changes or contract modifications through any other person(s). Failure to comply with this requirement may result in contract termination.

**Division 00 – General Requirements**

- 1.1 Check-in: The CONTRACTOR is required to submit a daily strength report to DPW Tech Rep at (812) 526-1499 ext. 62778.
- 1.2 Lay-Down Area: The CONTRACTOR will be provided the utilization of a suitable lay-down or storage area near to the construction site upon request.
- 1.3 Site Conditions: The proposed project is located in an area with active military training. Therefore, the CONTRACTOR shall abide by the following:
  - a. Not access Camp Atterbury, Indiana (CAIN) through any other Gate(s) other than the Main Security Gate located off Hospital Road (unless otherwise approved by the Tech Representative/COR). This is to ensure personal safety and Department of Plans, Training, Mobilization & Security (DPTMS) downrange traffic control.
  - b. Schedule every access with DPTMS/Range Control in order to prevent entering a Surface Danger Zone (SDZ) or interfering with training. Advanced coordination is preferred. The CONTRACTOR or its subcontractor(s) may require escort to the construction site.
  - c. Prior to proceeding south of County Line Road, the CONTRACTOR or its subcontractor(s) shall check in with Range Control to receive a "Downrange Pass." Range Control is located at Building 127 at the intersection of Eggleston Street & County Line Road.
  - d. While onsite, notify DPTMS/Range Control immediately of any accident, incidents, or injuries whether concerning personnel, environmental, or technical. Range Control may be contacted at 812-526-1351.
- 1.4 Delays/Periods of Inactivity: When access to the Camp Atterbury downrange area or to the project site is restricted due to military exercises and other training activities occurring during the project timeframe, it may be necessary to shut down for a few hours and sometimes for a few days at a time. Range Control personnel will coordinate with the

CONTRACTOR and will attempt to provide notice as early as possible. It is the CONTRACTOR's responsibility to be prepared to stop work, if necessary, until the area has been cleared and deemed safe. Stop work will be mitigated through advanced scheduling with Range Control through the Technical Representative/COR.

- 1.5 Safety: Safety will be enforced as per the latest edition of the U.S. Army Corps of Engineers Safety and Health Requirements Manual, EM 385-1-1, and applicable Department of Labor Occupational Safety and Health Act (OSHA) standards per 29 CFR 1910, 1926, etc. Personnel requiring access to ranges or training areas may be required to attend a one hour range safety orientation class prior to gaining access. This can be coordinated to coincide with the kick off meeting or on an as-needed basis.
- 1.6 Temporary Utilities and Sanitary Facilities: Temporary toilet, electrical, water, and telephone as required for the performance of this work will be provided by the CONTRACTOR. In some cases, existing OWNER resources may be used with expressed written permission from Camp Atterbury.
- 1.7 Utility Locates: If there is a need to penetrate the subsurface via excavation, staking, or by other means, the CONTRACTOR is responsible for locating all public & private underground utilities, as well as for the notification and coordination of all respective utility companies. Public utilities exist on CAJMTC. CAJMTC's Department of Public Works (DPW) can provide limited assistance with locates by providing available mapping of existing utilities. However, there may be some private or public utilities not known to CAJMTC and/or available mapping often lacks adequate precision. Therefore, it may be necessary to use a private utility locator for utilities that run past the meter or where unclear utility markings exist. Use of an air/hydro excavator to uncover the utility may also be needed to confirm depth & location. The CONTRACTOR will be liable for any public and/or private utility damage.
- 1.8 Removal, Storage, and Reinstallation: The CONTRACTOR is responsible for the removal, storage, and reinstallation of any of the OWNER's equipment, material, furniture, signage, etc., which interferes with or is subject to damage during construction as agreed on between the OWNER, CONTRACTOR, and DPW.
- 1.9 Construction Limits: The CONTRACTOR will not perform any activity outside the construction limits, set forth on the plans, without express permission from the COR.
- 1.10 Unknown conditions: The CONTRACTOR assumes no responsibility for hidden or unknown conditions; however, they may be handled as a no cost field change or modification to the contract through stated allowances.
- 1.11 Project Clean-up: The CONTRACTOR will maintain the site in a clean, neat, orderly condition. All debris, scraps, and packaging materials will be kept in appropriate containers or appropriately stockpiled while on base and properly disposed of off base as soon as appropriate for the material. Any loose materials must be secured until properly disposed of. All roads in and adjacent to the site will be passable and in a broom clean condition at the end of each day.
- 1.12 Construction and Demolition: Atterbury-Muscatatuck has adopted the requirements set forth in FAR 52.223-9 and 52.223-10. The CONTRACTOR shall perform demolition work that complies with this waste reduction initiative, maintain accurate logs related to

construction debris, and assemble associated documentation required for close-out procedures on for this project. **Reference Appendix A at the end of this document for more details and required forms.**

- 1.13 Environmental Requirements: The CONTRACTOR shall be in compliance with all Federal, State, and Local laws, regulations, policies and procedures to include air, water, and solid waste requirements, and shall research and prepare necessary permit applications. **Refer to Appendix B: Environmental/Cultural Issues at the end of this document for more information.**

Seeding/Cover: The CONTRACTOR is responsible for the re-grading and re-seeding of all areas disturbed by the CONTRACTOR during the completion of this project. The seed will be applied according to manufacturer's specification. Use only seed within 12 months of the germination test date noted on the label. Seeding & cover is discussed in more detail in the project manual.

Temporary Seeding: All project areas with disturbed soil and that are idle/inactive for a period of 14 days will require temporary cover or soil stabilization in the form of straw, straw netting, mulch, or temporary grass seed, without exception. CONTRACTOR shall budget and plan to implement one of these actions for uncovered, disturbed soil every two (2) weeks.

- 1.14 Preparation: The CONTRACTOR shall verify that existing plant life designated to remain is tagged or identified. Identify a laydown, recycle, and/or salvage area for placing removed materials. **Felling, dozing, or disturbing trees within a project area between 1 April and 1 October is restricted.**

1.15 Permits and State Forms

Submission of Forms for Review: CAJMTC applied to all applicable permits, but the CONTRACTOR will assume responsibility of all permits **prior to the start of construction.**

Environmental Permits: **Since the proposed total area to be disturbed is less than one (1) acre during construction, this project is not expected to fall under Rule 5 (327 IAC15-5), which requires the submittal of form SF-47487 Rule 5 Notice Of Intent (NOI).** However, the contractor should confirm this. It is the CONTRACTOR's responsibility to submit a Construction Plan to include a Storm Water Pollution Prevention Plan (SWPPP) – refer to the provided Plans. Refer to Technical Specifications (Project Manual) and Appendix B of this SOW for more information on regulatory compliance.

Site Inspections: The CONTRACTOR shall inspect the site for storm water pollution prevention deficiencies at least weekly and again within 24 hours of every ½ inch rain event. **The CONTRACTOR is required to submit the inspection reports every two weeks at every progress meeting for the duration of this project.**

Termination of Permits: Upon completion of the project, cleanup/removal of silt fencing and all other temporary measures must be performed by the CONTRACTOR. At this time, any termination notices required by the permit authorities must be filed.

NOTE: It should be understood that the erosion and sediment control plan, and any revision to it, is meant to be a dynamic document and may require changes or



amendments throughout the life of the project. The GOVERNMENT reserves the right to require changes to the plan if deficiencies become evident during site inspections throughout construction, and may therefore require straw netting, erosion control blankets, straw wattles, or other measures for erosion control and/or soil stabilization purposes as conditions may warrant.